

# HTU Nx64

## T1 HDSL Network Termination Unit

### Product Features

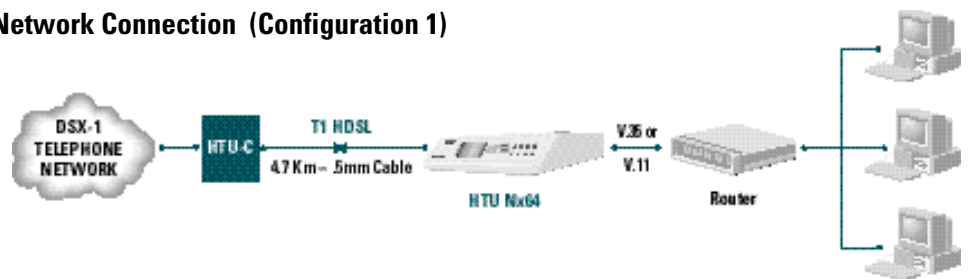
- Single V.35 or V.11 DTE interface
- Nx56 or Nx64 operation for data rates to 1.536 Mbps
- T1 HDSL line interface
- Easy to use front panel keypad for unit configuration and monitoring
- Local and remote loopback capability
- Extensive built-in performance monitoring capabilities
- Built in 511 bit error test function
- Password protection
- V.54 loopback for end-to-end testing
- Industry leading five-year warranty

The ADTRAN HTU Nx64 is an easy to use T1 HDSL network termination unit. The HTU Nx64 provides a digital interface between T1 HDSL and the user's Data Terminal Equipment (DTE). The HTU Nx64 is an ideal solution for such applications as LAN to LAN bridging, Frame Relay circuit termination, and video-conferencing. The HTU Nx64 can be deployed as either a remote unit in operation with an ADTRAN T1 HDSL central office unit (HTU-C) or in a point-to-point configuration with another HTU Nx64 in limited distance campus configuration.

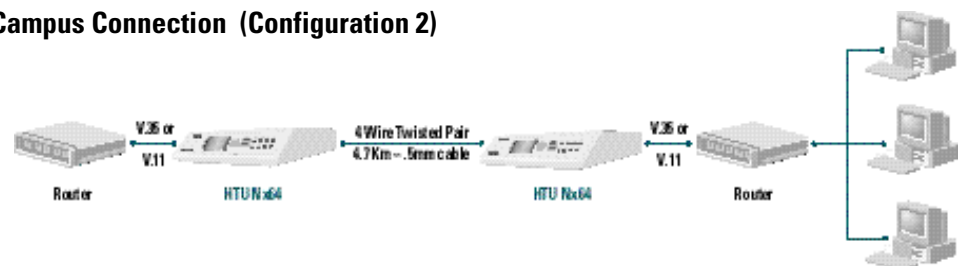
Housed in a compact, durable plastic housing the HTU Nx64 supports data rates from 56 kbps to 1.536 Mbps at Nx56 or Nx64 kbps. The HTU Nx64 provides both a V.35 and a V.11 interface for connection to the end user's DTE equipment.

Configuration, testing, and performance monitoring is accomplished via a user friendly front panel interface. Complete configuration and performance information is available from the front panel keypad and a two-line by 16-character LCD display. The front panel interface can also be used to invoke local and remote loopbacks with or without 511 bit error rate testing. The HTU Nx64 also supports configuration and performance monitoring through a rear panel control port using a VT100 terminal emulation.

### Network Connection (Configuration 1)



### Campus Connection (Configuration 2)





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# HTU Nx64

## T1 HDSL Network Termination Unit

### Product Specifications

#### Network Interface

##### Line Rate

- T1 HDSL per Bellcore TA-NWT-001210

#### LINE Interface

##### HDSL

- RJ45

#### Framing

- SF/ESF

#### ESF Format

- AT&T 54016
- ANSI T1.403

#### Line Code

- 2B1Q

#### DSO Assignment

- Contiguous
- Alternating

#### HDSL Timing

- Network
- Internal
- DTE

#### DTE Interface

- Bit Rate: 56 kbps to 1.536 Mbps,  
Nx56 or Nx64 kbps (N=1 to 24)
- CCITT V.35 (M34F Connector)
- CCITT V.11 (DB15F Connector)

#### DTE Transmit Clock

- Automatic
- Internal
- External

#### Performance Monitor Performance Data

- BPVs, ES, SES, UAS, Alarms, Errors at DSX-1 (HTU-C)

#### Tests

- Local Loopback
- Remote Loopback
- V.54 Loopback
- Built in 511 bit error rate testor

#### Agency Approvals

- FCC part 15, Class A
- UL 1950 3rd edition

#### Environment

##### Operating

- 0 to 50°C (32 to 122°F)

##### Storage

- -20 to 70°C (-4 to 158°F)

##### Relative Humidity

- Up to 95%, non-condensing

#### Physical

##### Dimensions

- 1.5" H, 9.0" W, 6.25" D

##### Weight

- 2 lbs

##### Power

- 90-240 V, 50-60 Hz, 5 W

##### Protection

- Front panel password protection

### Ordering Information

Equipment	Part #
HTU Nx64	1245023L1

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